

FIG. 1

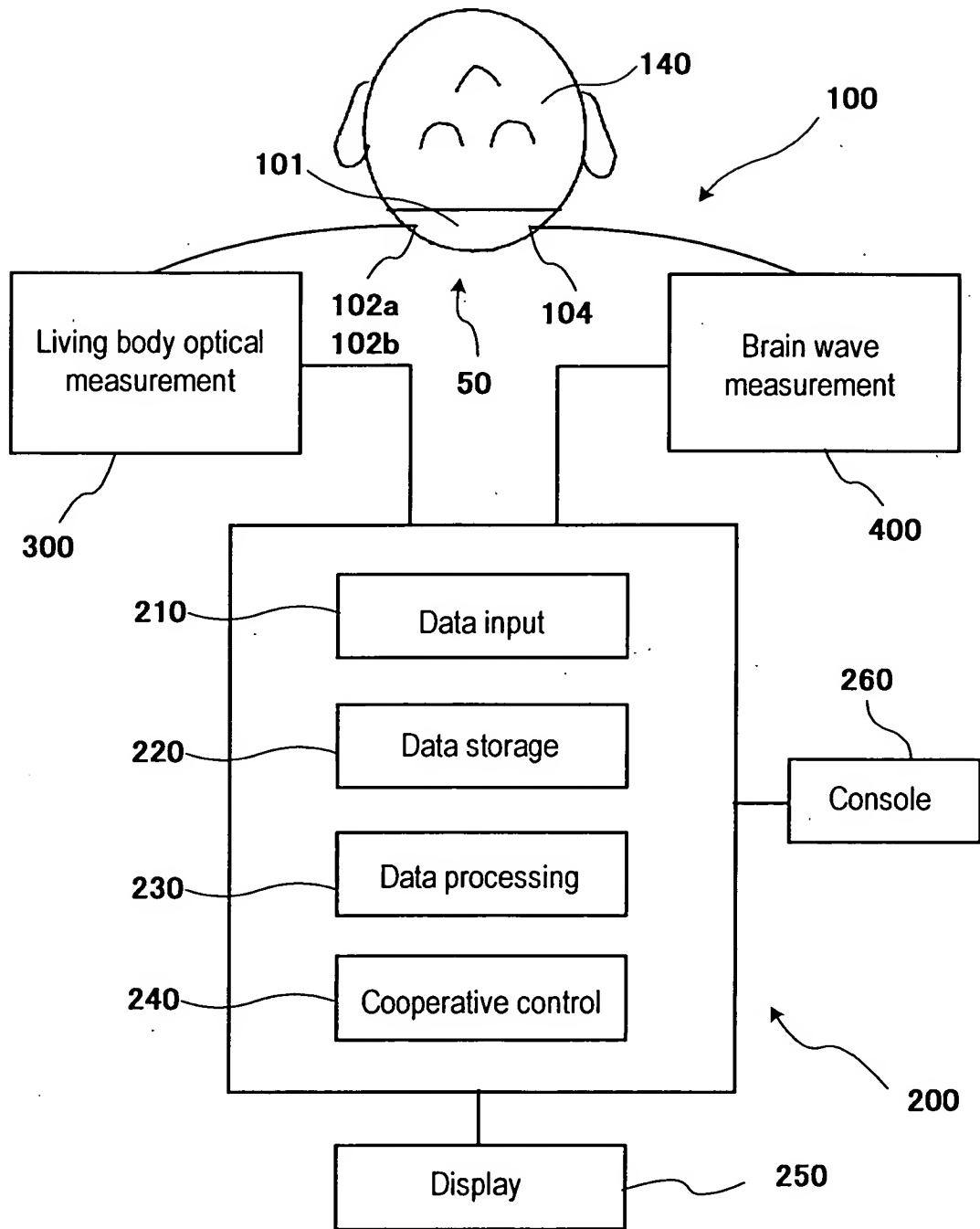
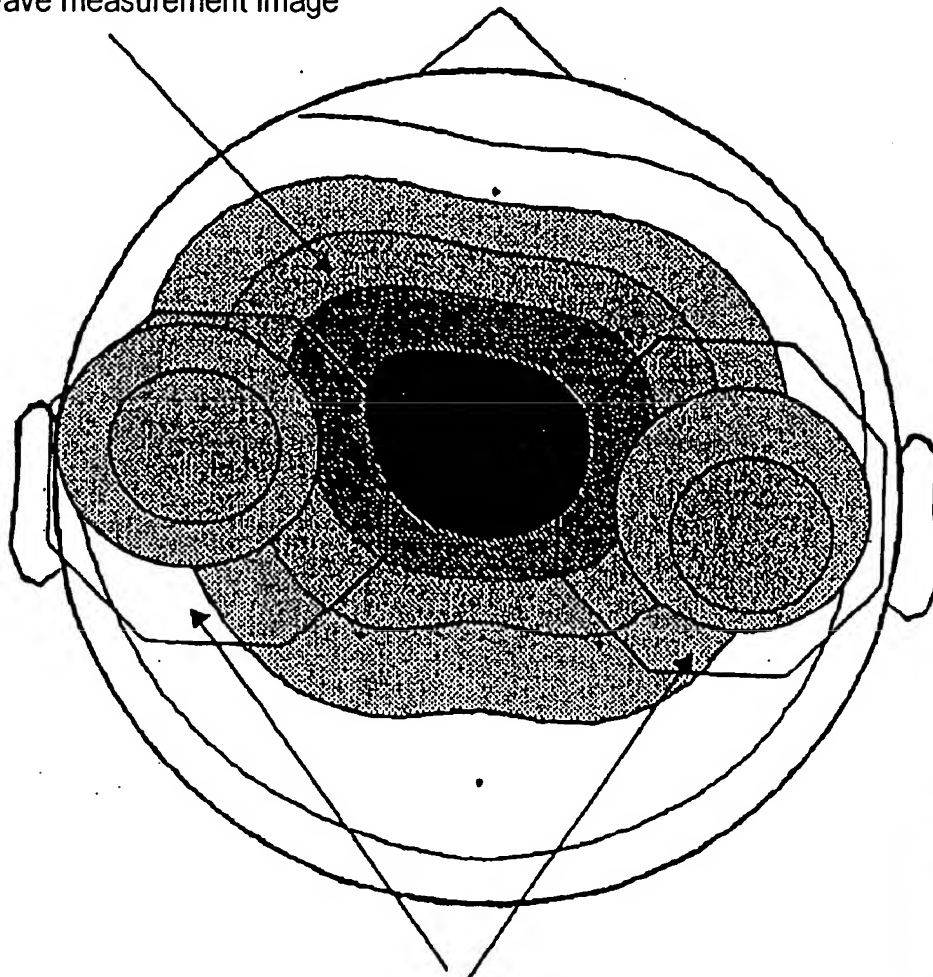


FIG. 2

Brain wave measurement image



Living body optical measurement image

Increase



Decrease

FIG. 3

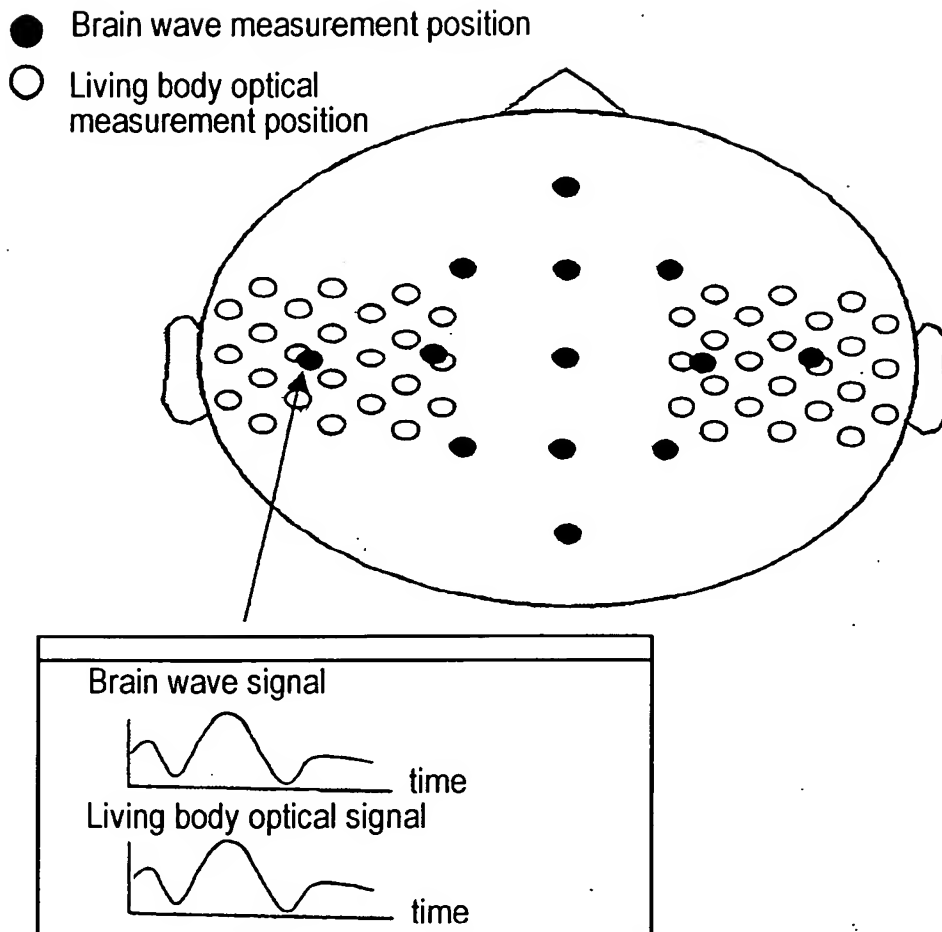


FIG. 4

Living body optical measurement

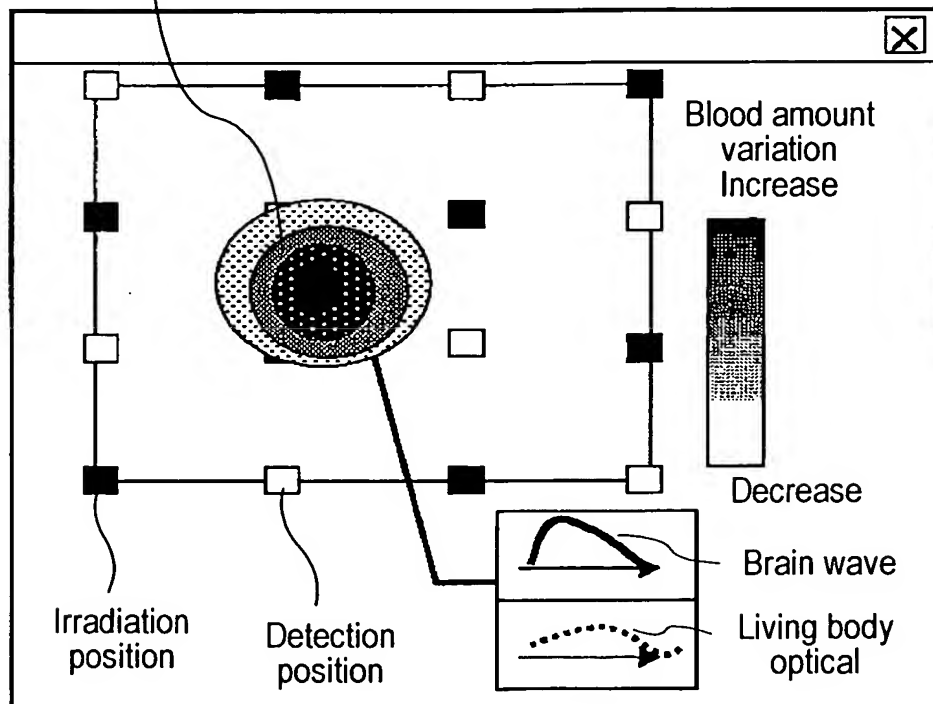


FIG. 5

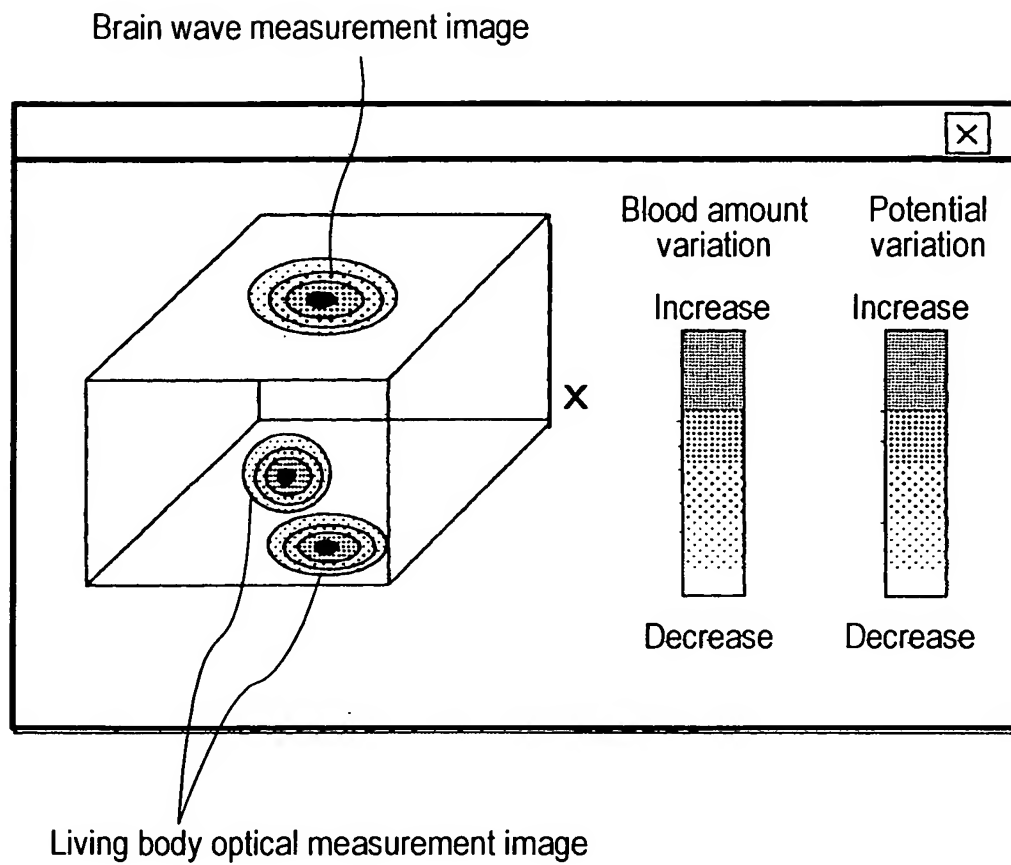


FIG. 6

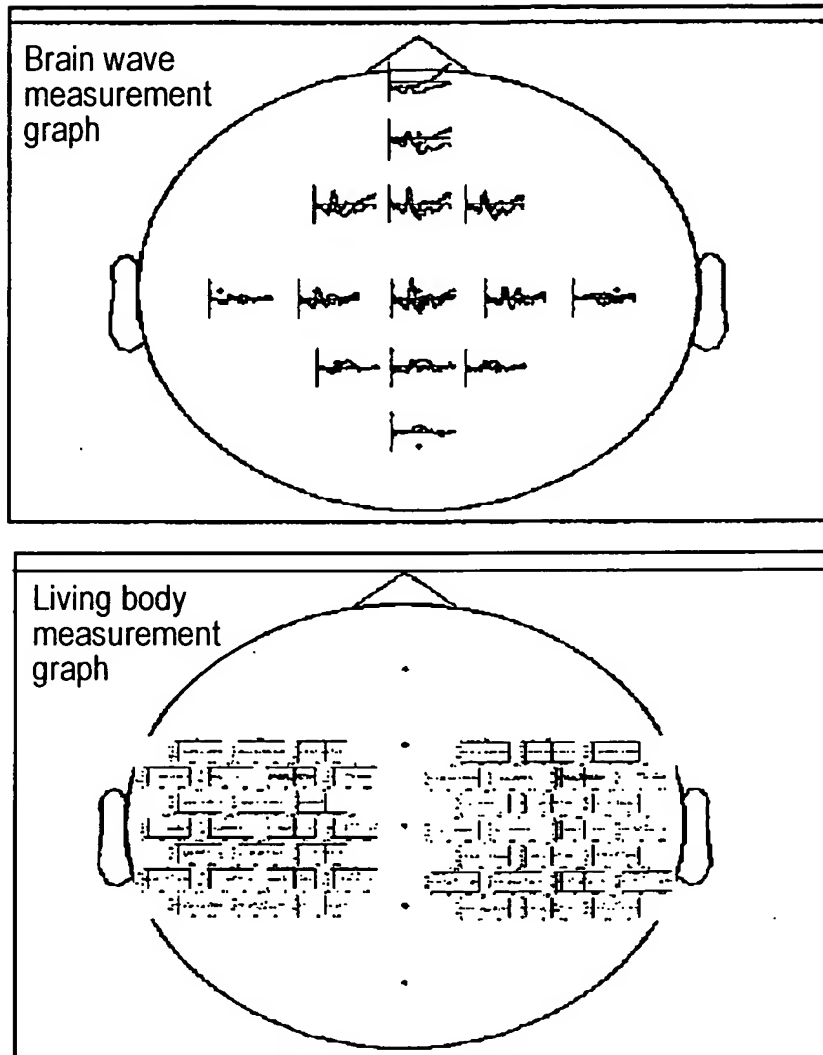
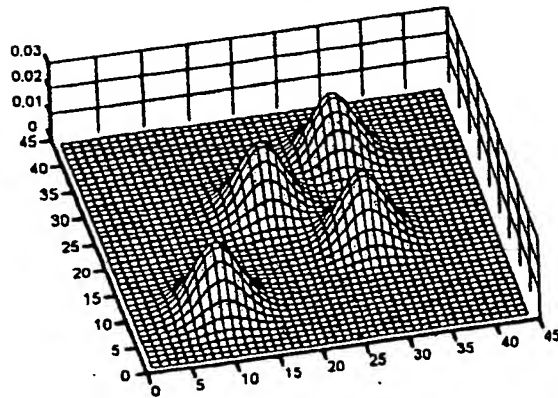
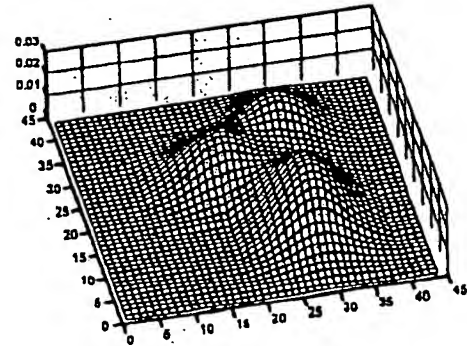


FIG. 7

(a) Spatial distribution of optical measurement signal



(b) Spatial distribution of brain wave measurement signal



(c) Spatial distribution of optical measurement signal \times Spatial distribution of brain wave measurement signal

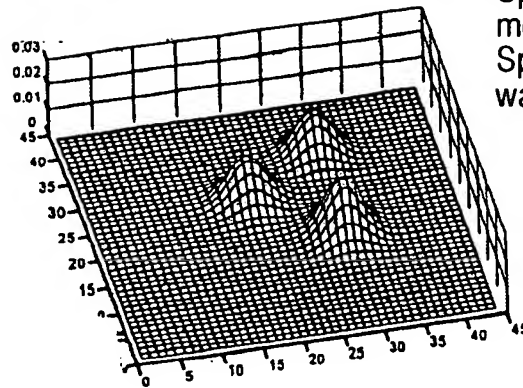
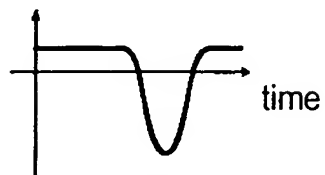
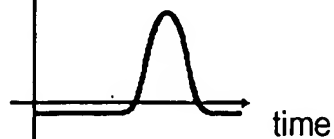


FIG. 8

(a) Brain wave measurement signal intensity



(b) Optical measurement signal intensity



(c) Optical measurement signal intensity

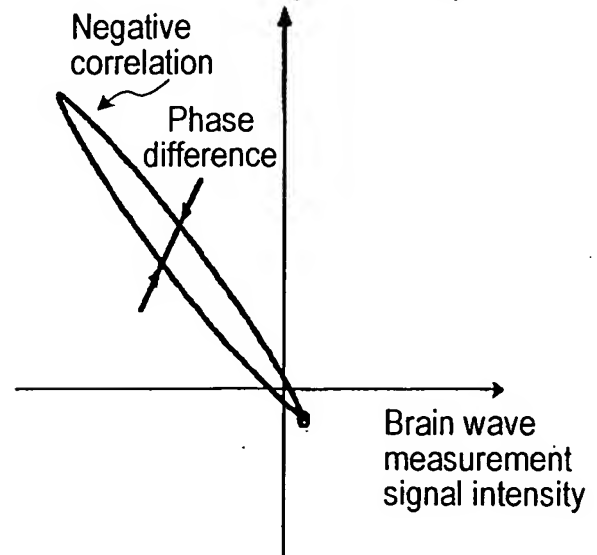


FIG. 9

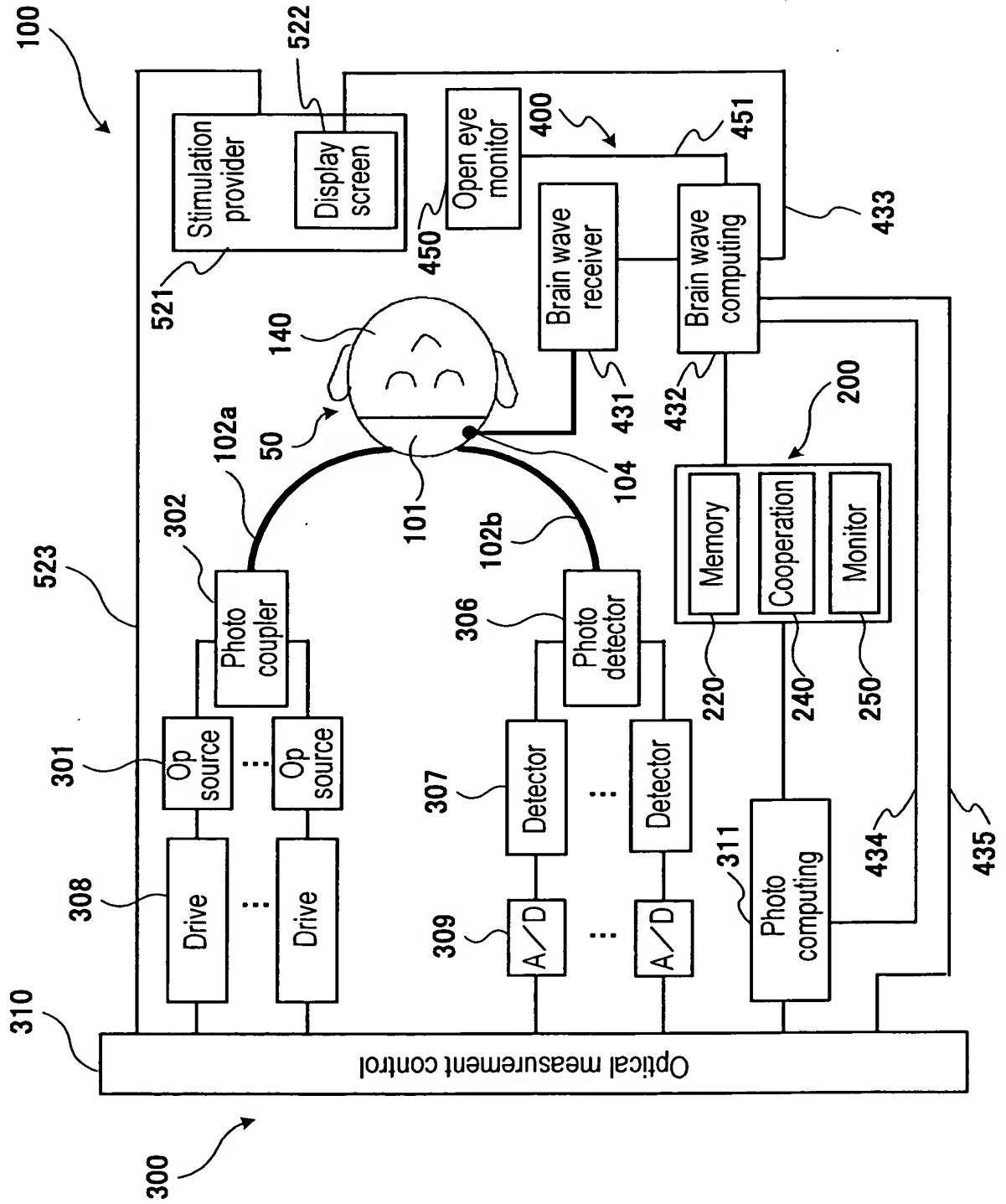


FIG. 10

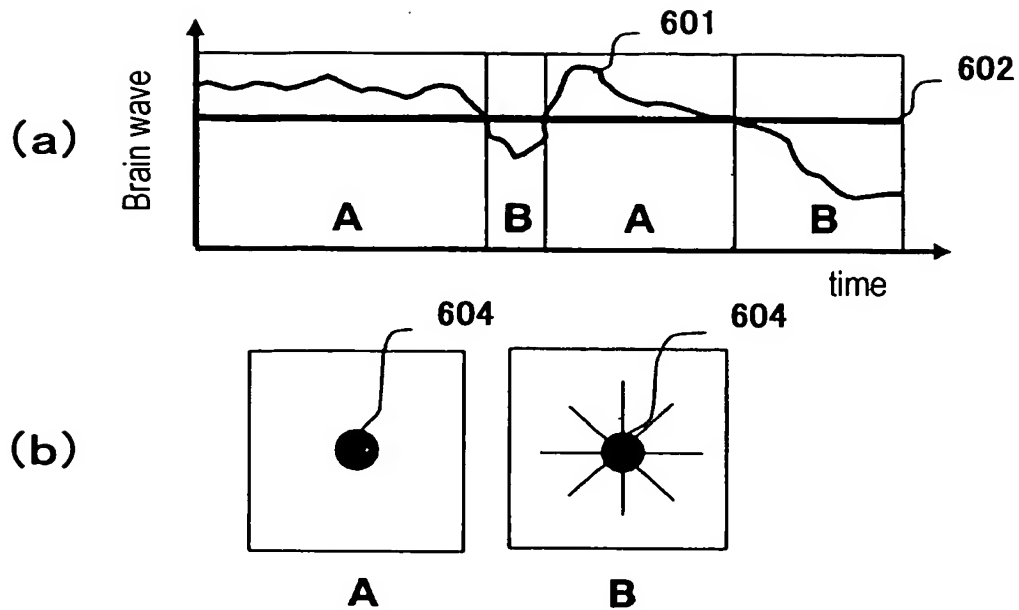


FIG. 11

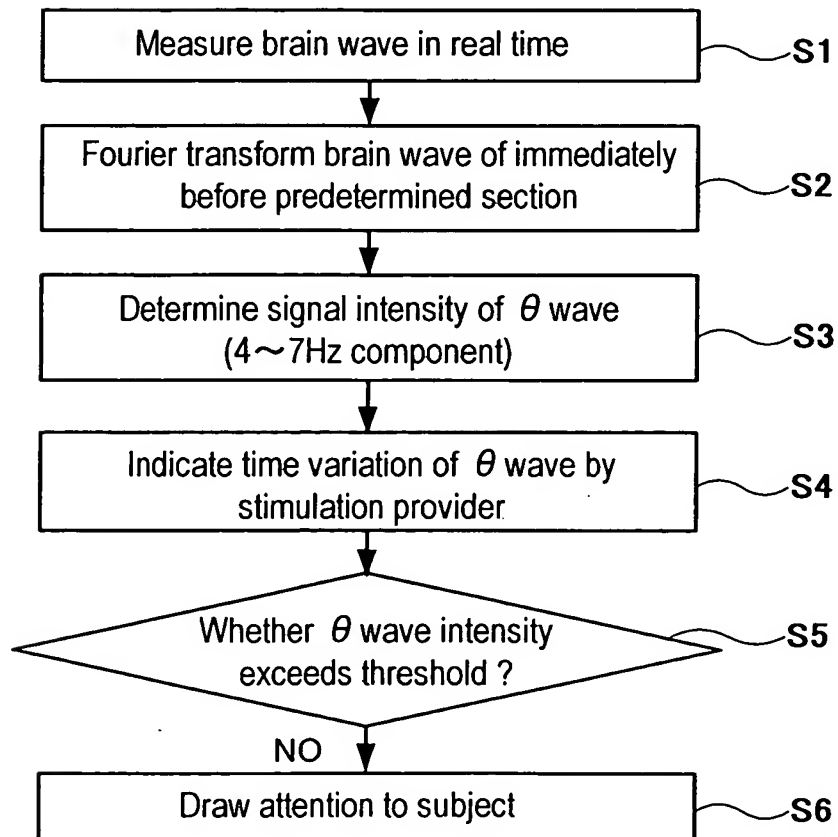


FIG. 12

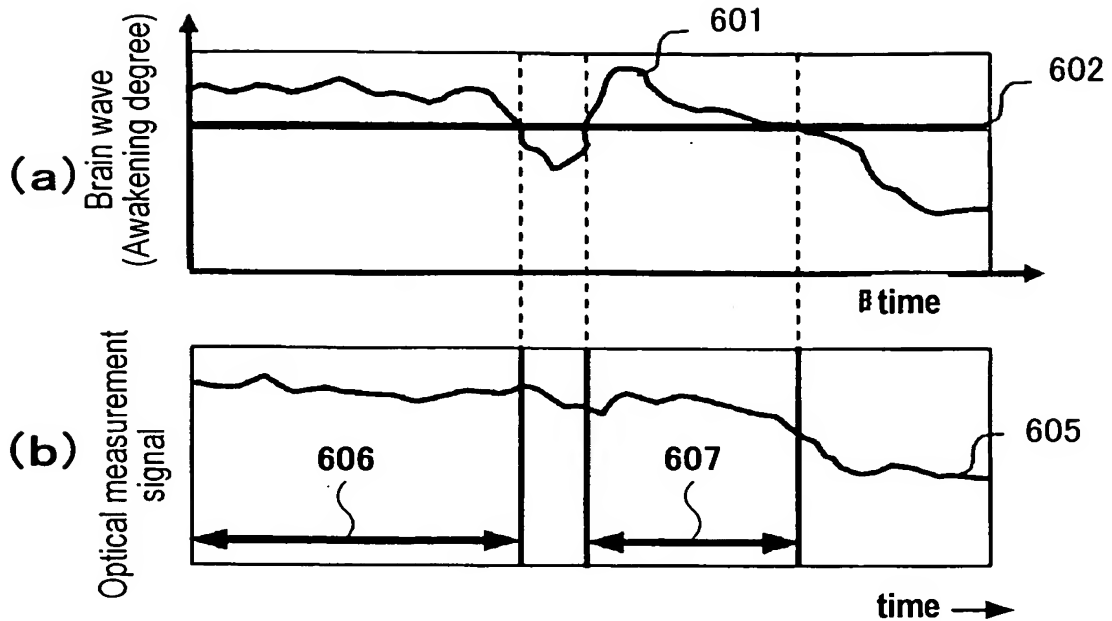


FIG. 13

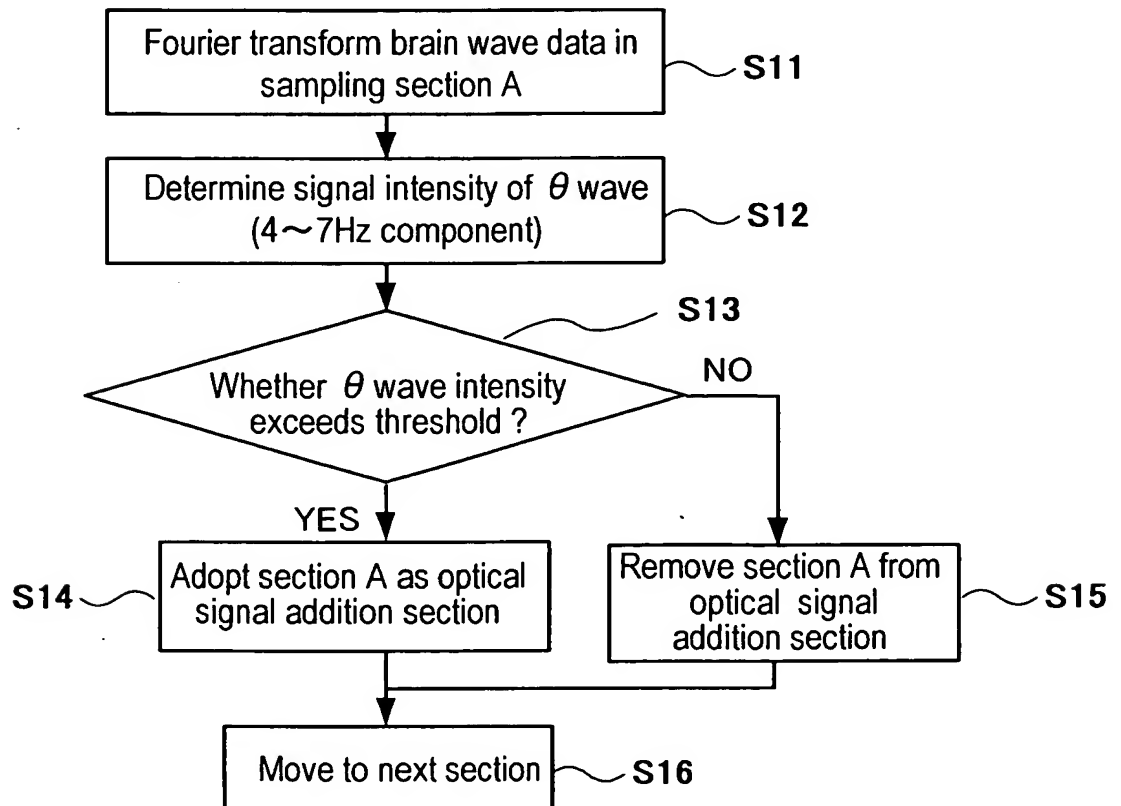


FIG. 14

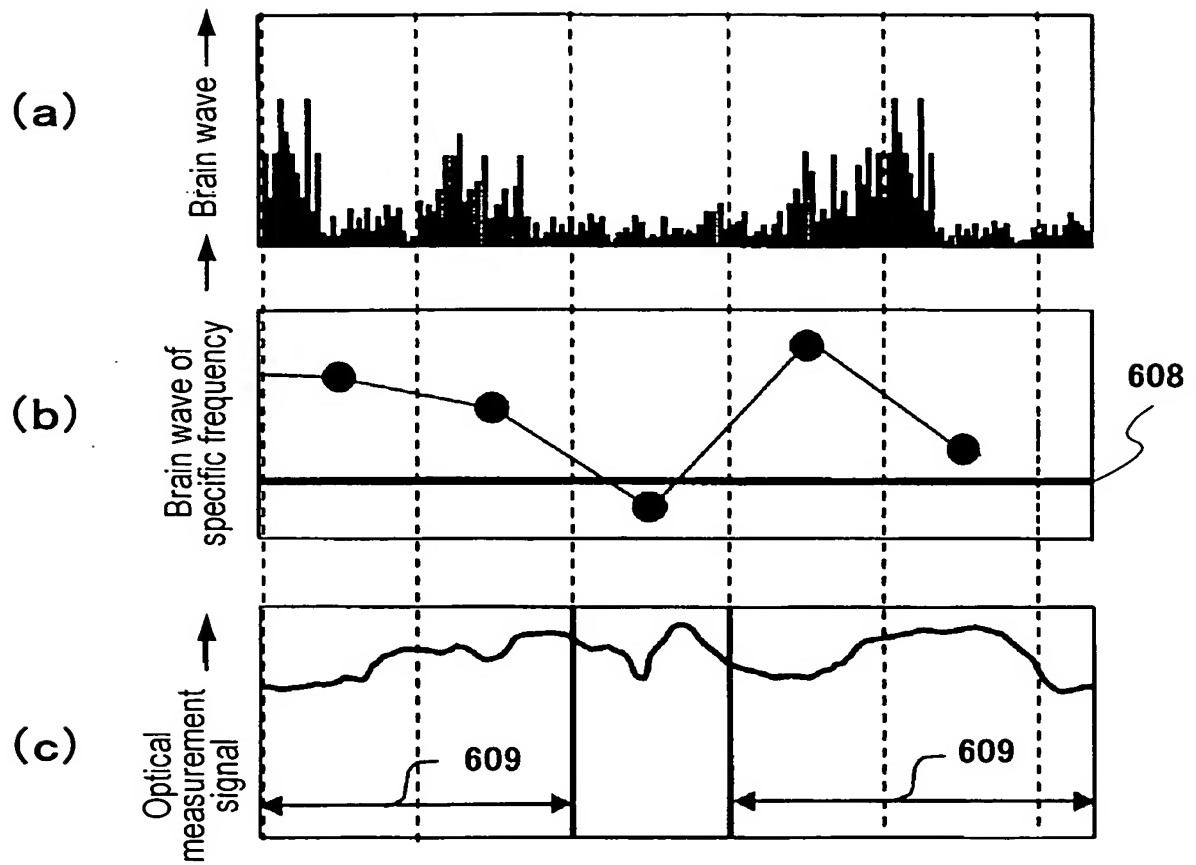


FIG. 15

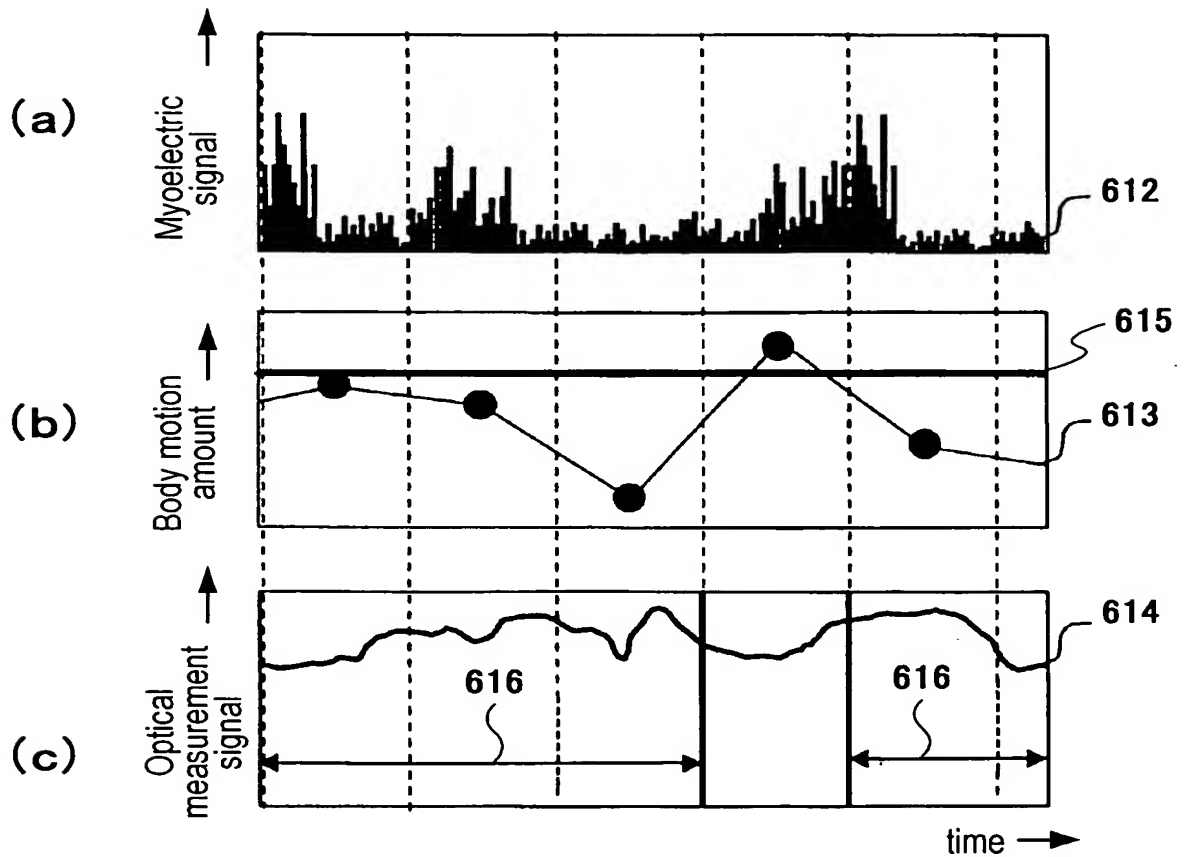


FIG. 16

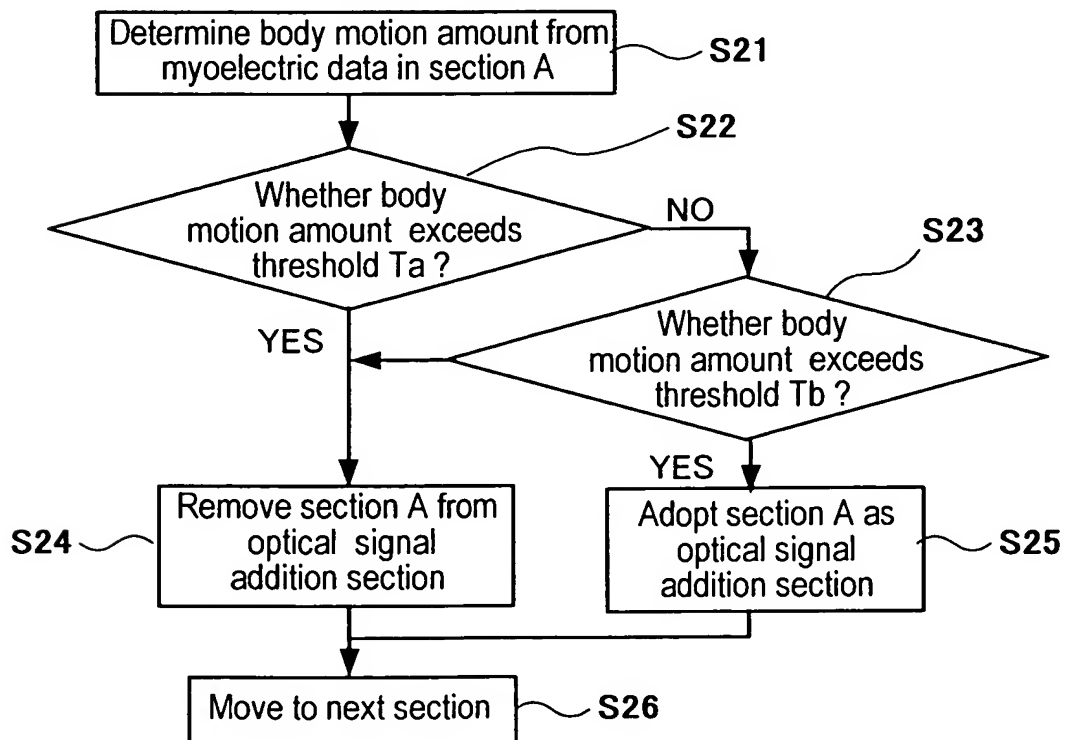


FIG. 17

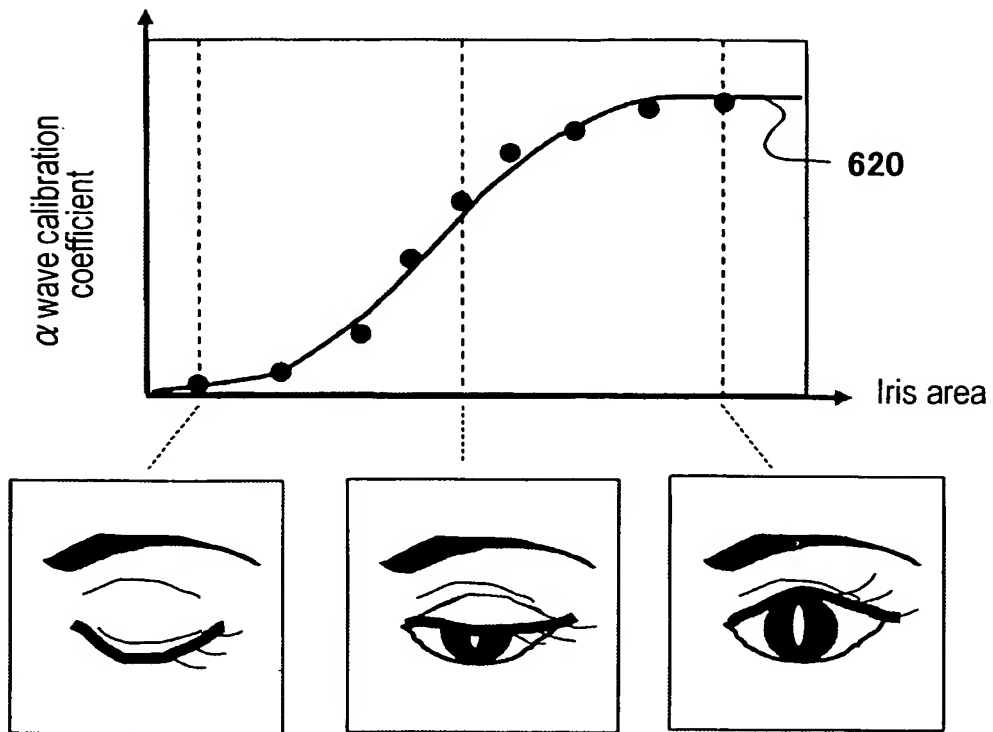


FIG. 18

	Brain wave measurement (ERP)	Optical measurement
Standard sampling period (Stimulation interval)	Only initial component : 0.1 s Only last component : 0.5-1 s	Period of 15~30 s
Sampling times	20~200 times	5~10 times

FIG. 19

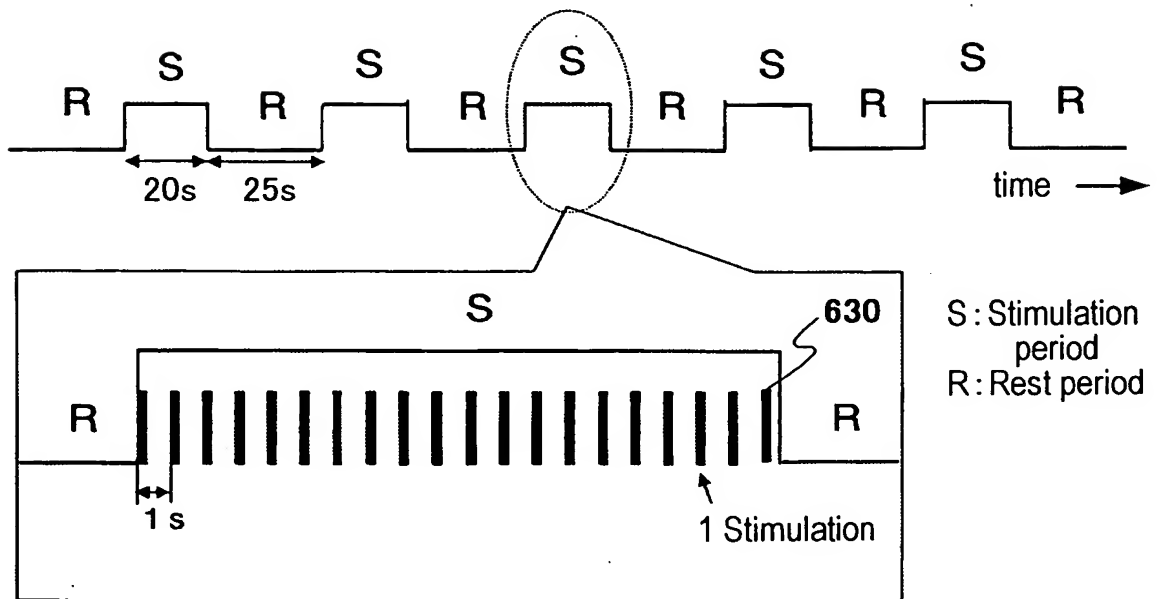


FIG. 20

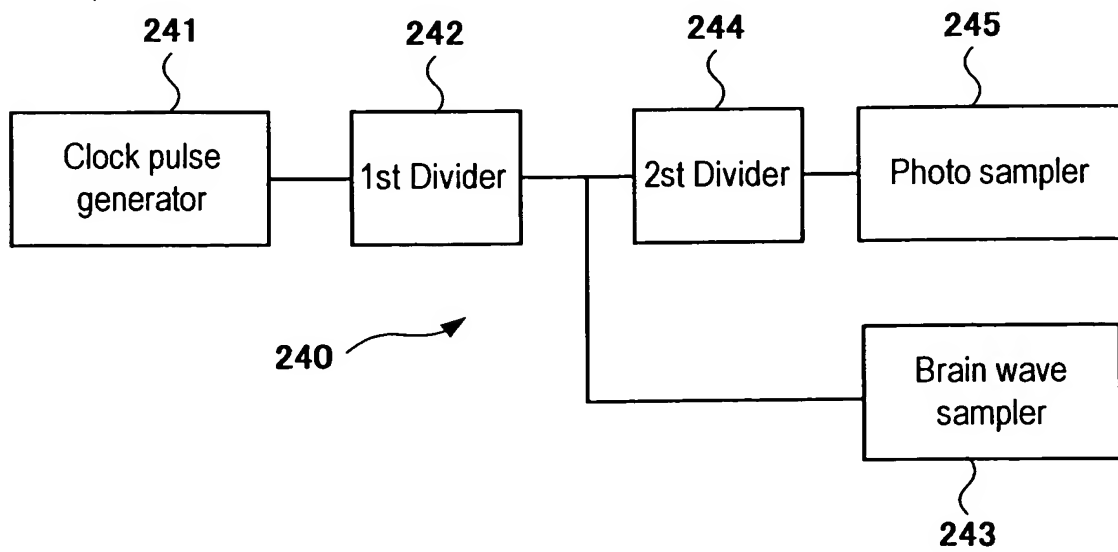


FIG. 21

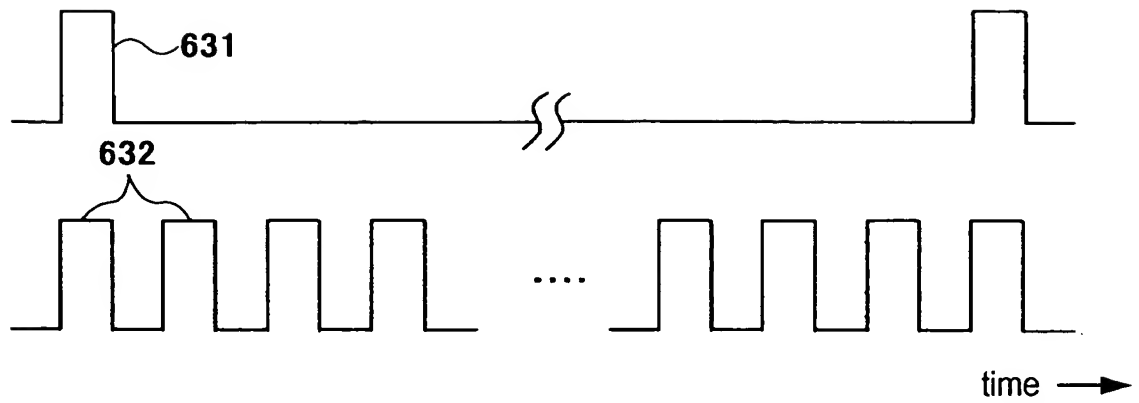


FIG. 22

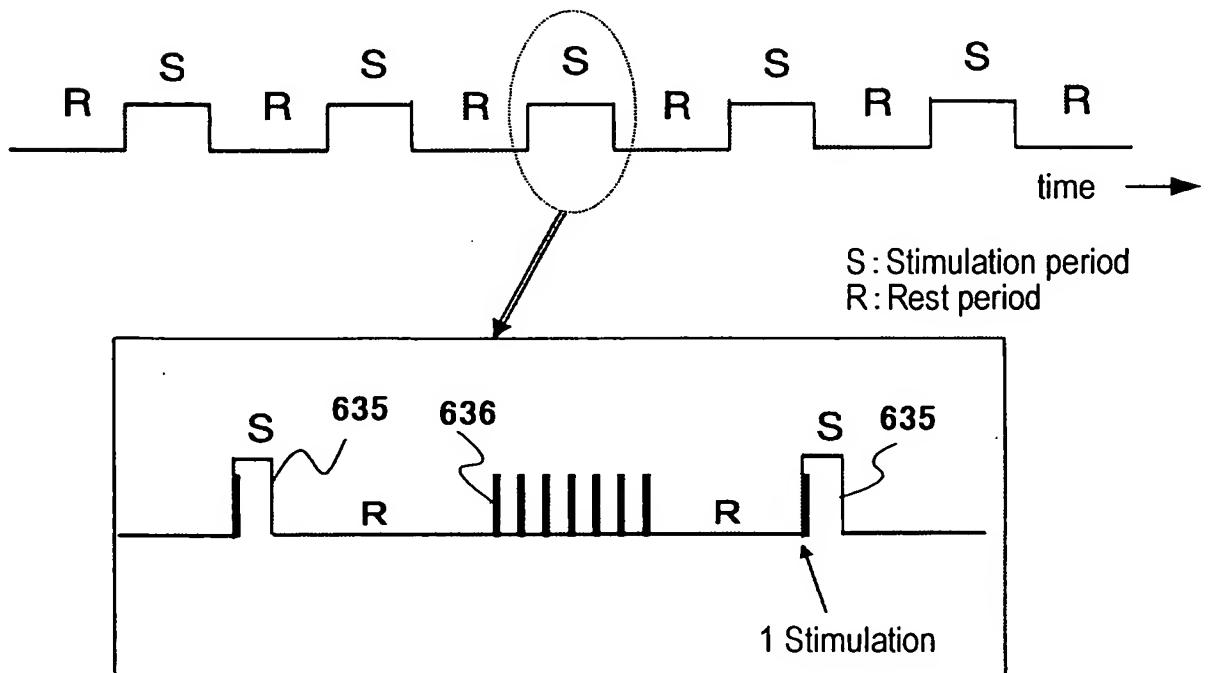


FIG. 23

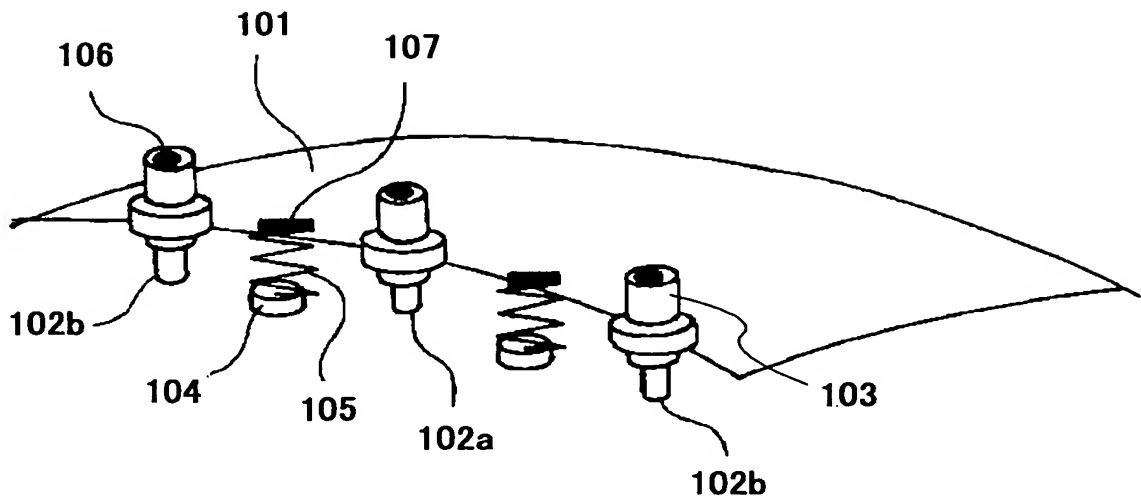


FIG. 24

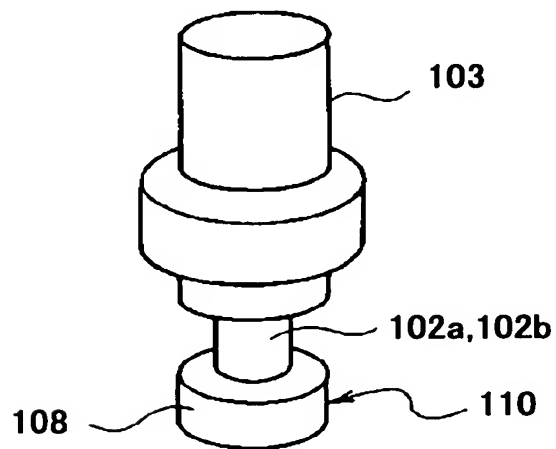


FIG. 25

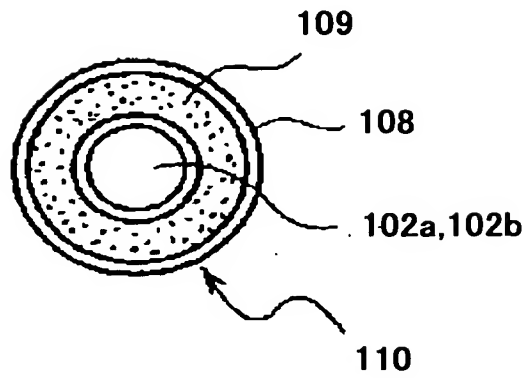


FIG. 26

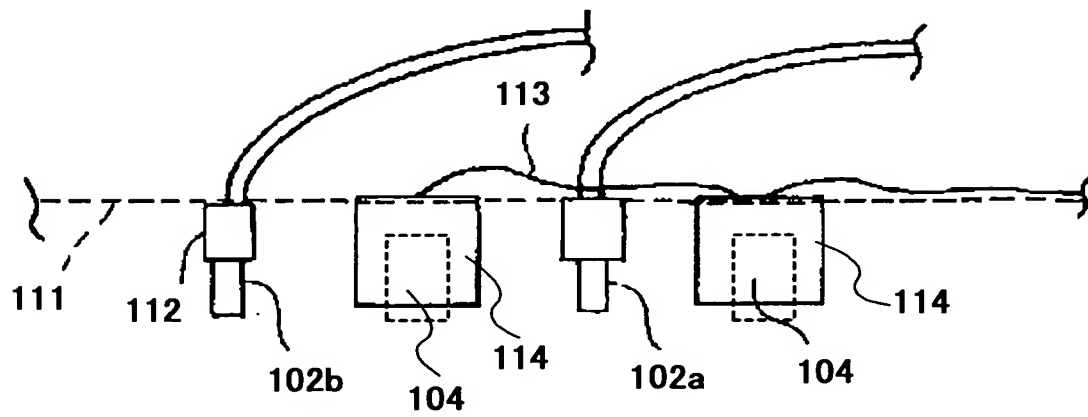


FIG. 27

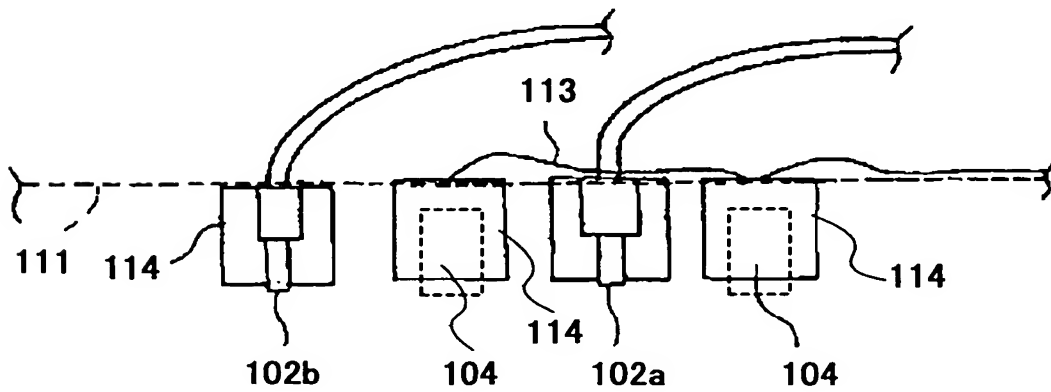


FIG. 28

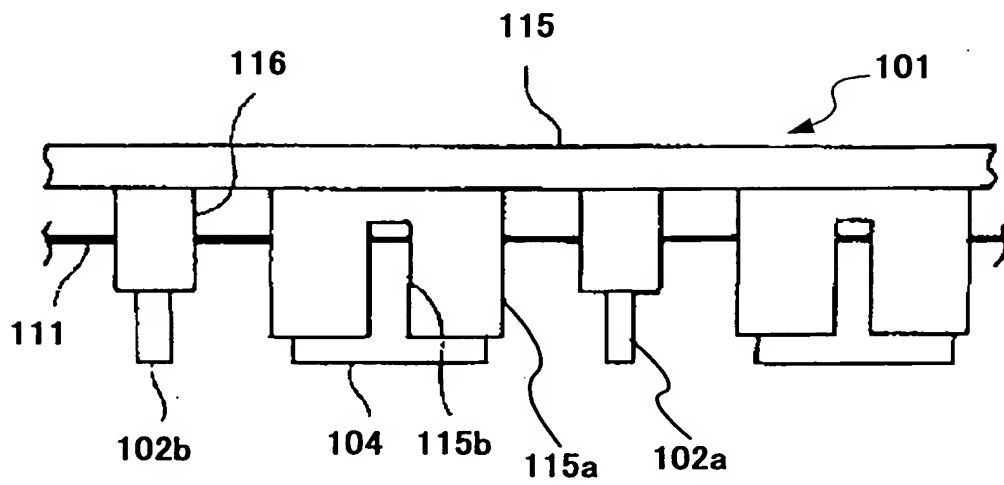


FIG. 29

